



SERVICE BULLETIN

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from: TRIO-KENWOOD COMMUNICATIONS, INC.

TR-2400

#815

SUBJECT: TR-2400 PULSE NOISE

DATE 2/13/80

For elimination of pulse type noise, either in receive, induced by the LCD oscillator, or in transmit, induced by stray RF in the H.T., install additional chokes and a capacitor as detailed.

DISASSEMBLY:

1. Disconnect the battery pack and remove from the unit.
2. Remove the 4 case screws, plus two battery pack compartment screws.
3. Separate the front and rear halves of the radio. DO NOT TEAR WIRES!
4. Unscrew two screws and two threaded retainers holding the PLL unit X50-1640-10. Slide the unit down to clear the three push switches from the top panel.
5. Separate the PLL and RX TX unit. Remove the fish paper insulation from between the two boards.

TX RF NOISE:

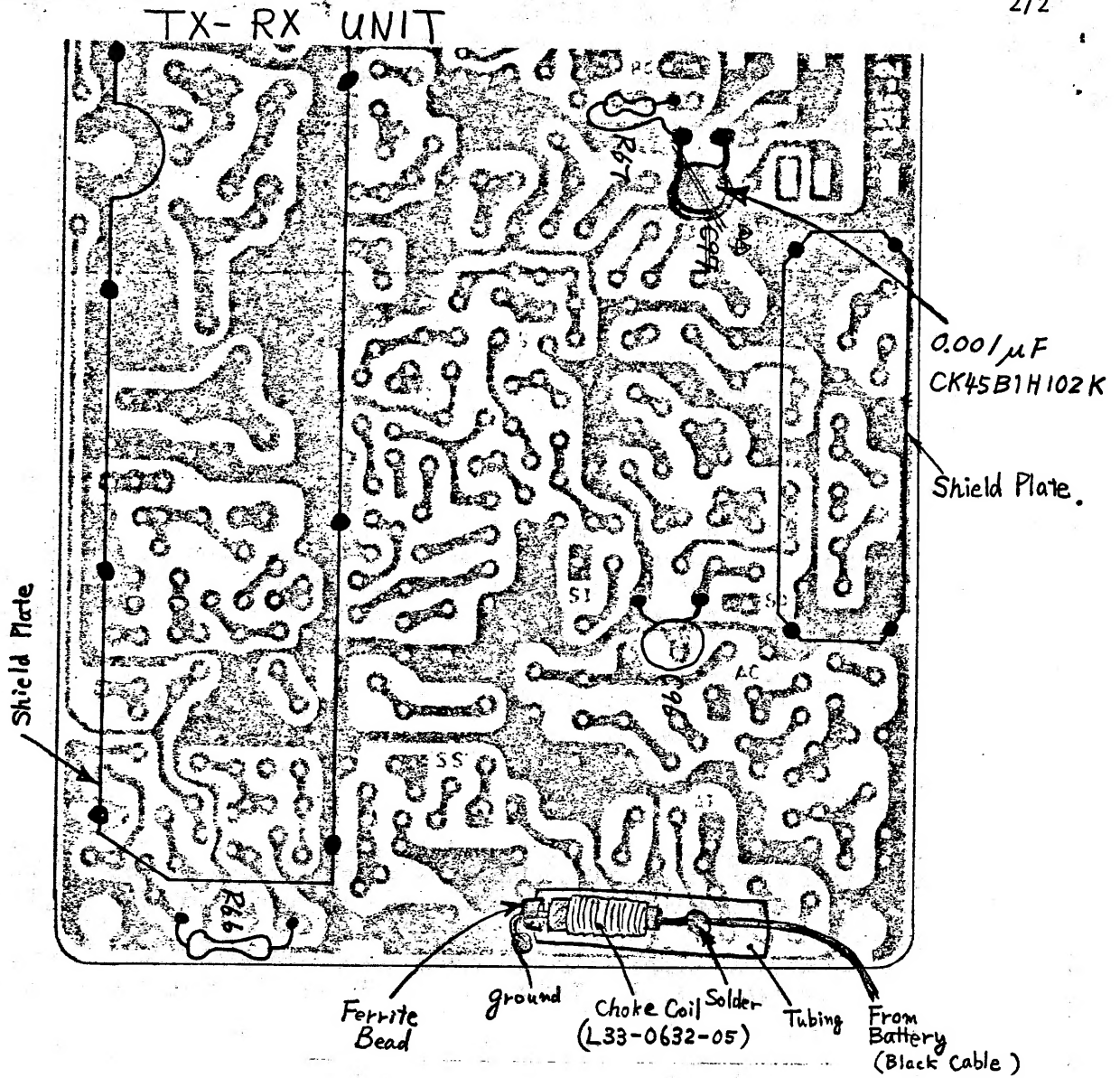
1. On the RX TX unit, locate the battery ground (BLACK) lead soldered to the right edge of the PCB. Desolder this line and install a choke with ferrite bead L33-0632-05 Resolder along the bottom edge of the board, as shown.
2. Also on the RX TX unit, locate the YELLOW lead attached to the foil side of the charge jack J1. Install a .001uF capacitor across J1 to ground as shown.

TX OR RX LCD PULSE NOISE:

1. On the display unit X54-1480-10 locate the YELLOW lead marked B+. Desolder this lead and install a 1uH choke L40-1021-03 in series. Lead dress MUST be as shown for physical clearance.
2. Also on the Display unit, adjacent to the B+ lead, desolder the GREEN E (earth) lead and the BLACK E lead, and wire as shown to another 1uH choke, L40-1021-03. Again, observe physical parts placement for clearance.
3. For reassembly, reverse steps 5 through 1. If components were installed as specified, there will be no clearance problems.

JEB/yn

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LED NOISE

